# Owner’s manual

Neon 50

**Nipponia S.A.**
**OWB001-EN**

# INTRODUCTION

This Owner's Manual contains basic instructions on how to operate, inspect and maintain your scooter. Please read it carefully and thoroughly. Correctly operating, maintaining and repairing your scooter will minimise any possible risks and result in its best performance. The authorised Nipponia service points will be glad to provide you with more detailed instructions.

Important information contained in this manual is marked using the following symbols:

🗒 **NOTE:** Important information or instructions

❗ **ATTENTION:** Important information or instructions. Failure to follow these instructions may result in damage to your scooter or minor injury

❗ **WARNING:** Important information or instructions. Failure to follow these instructions may result in heavy damage to your scooter, serious injury or even death

This manual is an integral part of the scooter and must always accompany it, even in the event of a resale.
If you have any questions concerning the contents of this manual or need further information regarding the operation of your scooter, do not hesitate to contact your local Nipponia dealer.

This booklet is compiled with the latest available information. However, due to constant improvements, modifications or alterations may be made without prior notification. Updated versions can be downloaded from the Nipponia website www.nipponia.com.

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# SAFETY INFORMATION

## Safe riding

1. Always perform the pre-operation inspection before driving.
2. The scooter should not be used by anyone who does not hold a valid driving license.
3. Many accidents involve motorcycles not seen by other drivers, so please pay attention to the following:
   - Wear bright coloured clothes.
   - Do not drive too close to other vehicles or in another driver's blind spot.
   - Avoid overtaking.
4. Always follow local traffic regulations.
   - Driving above the speed limit is the reason for many accidents. Driving speed must not exceed the limit specified by traffic regulations and allowed by road conditions.
   - Always signal when turning or changing lanes in order to attract the attention of the other drivers.
5. Never drive under the influence of alcohol or other drugs; it dramatically increases the risk of accidents.
6. Exercise special attention when driving over crossroads or parking area exits.
7. When driving you must hold the handlebars with both hands and place your feet on the footboard. The passenger should hold the handgrips or the driver and place his feet on the footrests.
8. This scooter is designed for on-road use only. It is not suitable for off-road use.

# SAFETY INFORMATION

## Protective clothing

1. For your safety, the driver and passenger should both wear helmets. Use of additional safety apparel (gloves, glasses, protective wear) is recommended.
2. Do not wear loose clothing, as it may be caught by the handle levers, the kick starter or the wheels and could lead to an accident.
3. During or after operation, the muffler's temperature is very high. Exercise extreme caution as it can cause burns.

## Vehicle modifications

Making any modifications to the scooter or replacing the original components can affect its performance and safety and/or render it illegal for use. Observe applicable laws and all national and local regulations concerning vehicle equipment. Additionally, such modifications will cancel the warranty.

## Loading

Adding accessories or cargo to your scooter can adversely affect stability and handling if the weight distribution of the scooter is changed. Use extra care when riding a scooter with extra load. Here are some general guidelines to follow when loading cargo or adding accessories to your scooter:
1. All accessories must be fastened securely on the vehicle in order to minimise vibration that could cause instability.
2. Any extra load should be placed as close to the gravity centre as possible and must be equally

distributed on both sides of the scooter to avoid imbalance and instability.
3. The tyre pressure must be adapted to the weight of the load and road conditions.
4. Make sure that extra load is securely attached to the vehicle to prevent it from falling and being lost.
5. Do not hang any load on the handlebars or the suspension.
6. The total weight of the driver, passenger, accessories and cargo must not exceed the maximum load limit of the scooter (170kg).

## Accessories

When installing accessories not approved by Nipponia, attention should be paid to the following points:
1. The installation of the accessories must not affect the suspension travel, the light position and the steering angle.
2. Do not obstruct the ventilation duct, to ensure cooling of the engine.
3. Avoid installing any accessories that could hinder your access to vehicle controls and movement of your hands and feet as it could impair your reaction in an emergency event.
4. Do not install a bulb with higher power than that specified. It could burn the fuse or cause problems to the electrical system due to low voltage.
5. Do not add a sidecar to the scooter.

**NOTE:**

- Please make a note of your scooter's VIN and Engine number, so you can place your orders quickly when purchasing spare parts from Nippon.

# VEHICLE IDENTIFICATION

The **Frame label (1)** is located at the right side of the main stand bracket. The **Vehicle identification number-VIN (2)** is located on the main front bar of the scooter frame and is covered by the VIN cap. The **Engine number (3)** is engraved on the upper left part of the engine case.

You can write your scooter's identification numbers here:

**Vehicle identification number:** ……

**Engine number:** ……..

# VEHICLE DESCRIPTION

## Left view

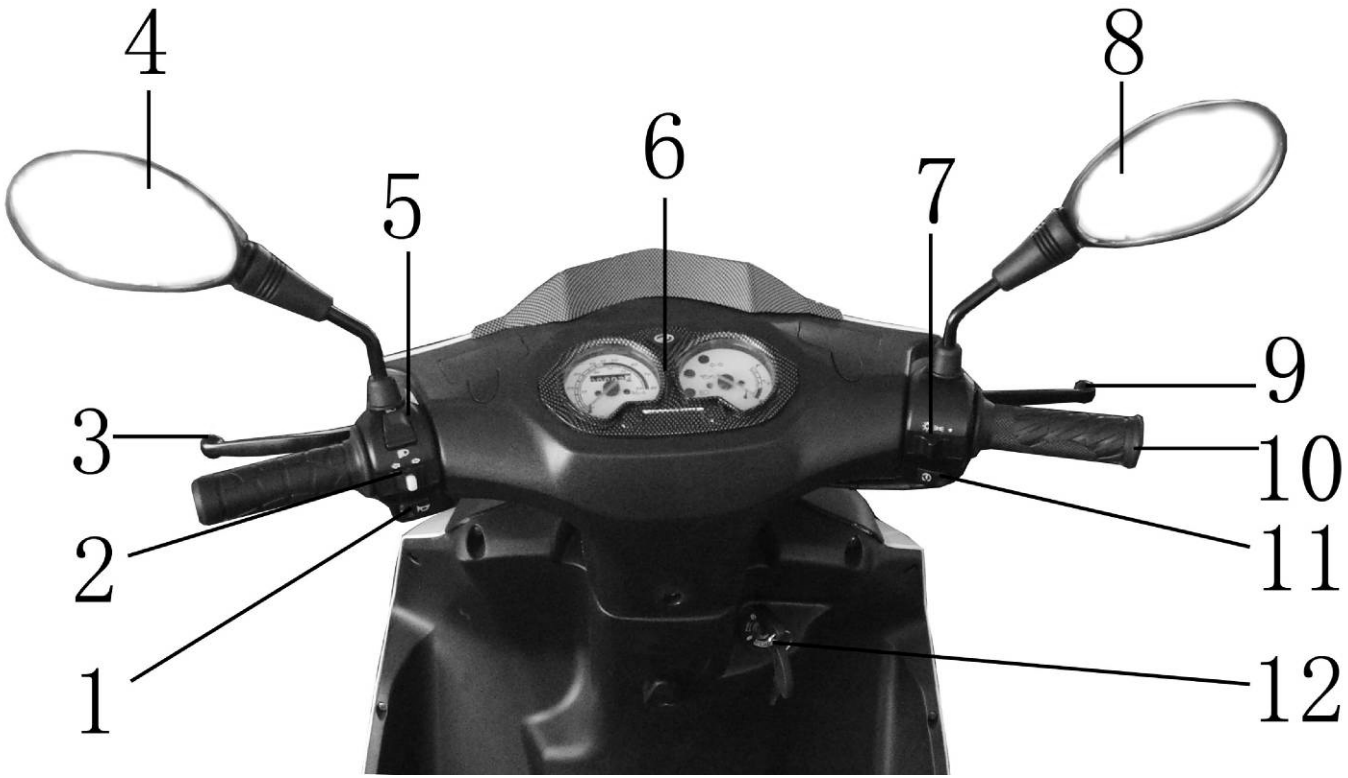
1: Side stand, 2: Battery cover, 3: Seat, 4: Handgrip, 5: Seat lock,
6: Pillion footrest, 7: Kick Starter, 8: Main Stand, 9: Air filter

# VEHICLE DESCRIPTION

## Right view

4
1: Exhaust muffler, 2: Rear fender, 3: Rear light, 4: Fuel tank,
5: Storage compartment, 6: Oil tank, 7: Front turn signal light, 8: Headlight

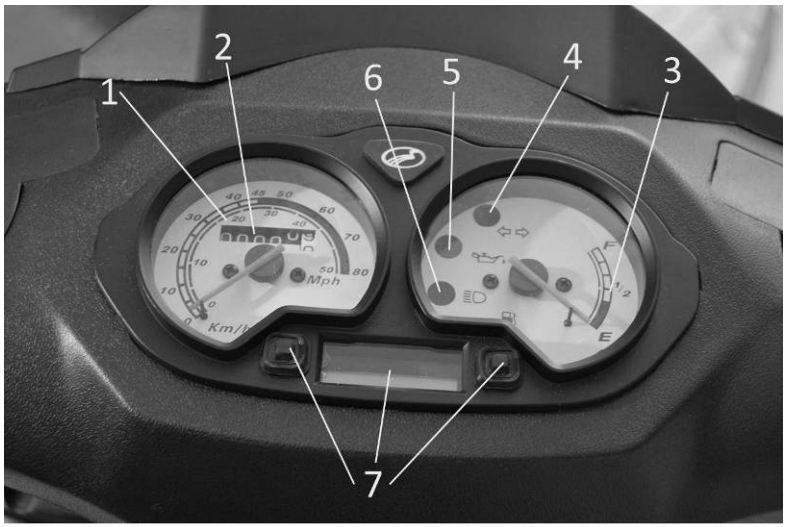
## Instruments and controls




1: Horn button, 2: Turn signal switch, 3: Rear brake lever, 4: Left, rear view mirror
5: Dimmer switch, 6: Instrument panel, 7: Light switch, 8: Right, rear view mirror,
9: Front, brake lever, 10: Throttle grip, 11: Start button, 12: Main/Ignition switch

# MAIN COMPONENTS

## Instrument Panel




**Speedometer (1)**

This meter displays the current driving speed in km/h and mph.

**Odometer (2)**

This meter displays the accumulated mileage of the scooter in km.

**Fuel gauge (3)**

This gauge indicates the amount of fuel left in the fuel tank. When the pointer of the gauge reaches the F (Full) mark, there are 5L in the tank. When it reaches the red area, there are about 1.2L left in the tank and the fuel tank needs to be refilled.

**Turning signal indicator (4)**

This indicator flashes when left or right turn signal light is on.

# MAIN COMPONENTS

**! ATTENTION:**

- If the oil level indicator lights during normal engine operation, it is advisable to check the engine oil level. In the event that the indicator is still on, even with a normal oil level, you should visit an authorised Nipponia service point.

**Oil pressure indicator (5)**

This indicator lights when the oil level is low. When the indicator lights the oil tank needs to be refilled.

**High Beam indicator (6)**

This indicator lights when the dimmer switch is in the high beam position.

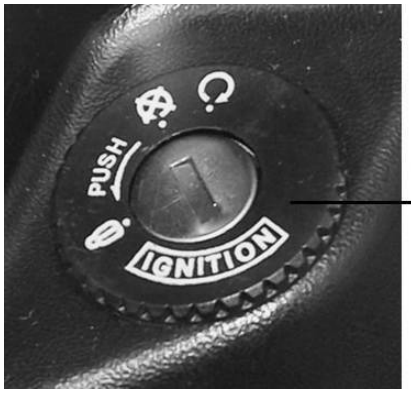
**Clock and set buttons (7)**

This mini screen functions as a clock. The time can be set by the two buttons, one on each side of the screen.

## Controls

**Main/Ignition switch (1)**

The main switch is located at the upper right part of the frame body.
It is used to control the ignition and electrical systems and to lock the steering wheel. To use it insert the ignition key.



1

The switch can then be turned to the following positions:

**WARNING:**

- Never turn the key to “⊗” or to “🔒” position while driving as it may cause an accident.
- When locking the steering, the handlebars must be turned to full left position and the key should be pressed properly.
- After locking the steering, move the handlebars slightly to check whether they have locked.

# MAIN COMPONENTS

“◯” **ON**: The engine and the electrical system are on and the key cannot be removed.

“⊗” **OFF**: The engine and the electrical system are off and the key can be removed.

“🔒” **Steering lock**: The steering is locked and cannot be turned, the engine and the electrical system are off and the key can be removed.

## Steering lock

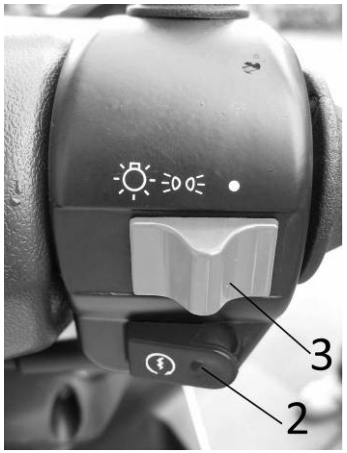
To lock the steering, turn the handlebars all the way to the left and insert the key in the main switch **(1)**. Then press down and, while pressing, turn to “🔒” position to lock. To unlock the steering, insert the key and turn it to “⊗” position.

To prevent from theft, always lock the steering when parked.

## Start button (2)

To start the engine using the start button make sure to raise the side stand and hold the front or rear brake. Then press the start button to start the engine.

# MAIN COMPONENTS



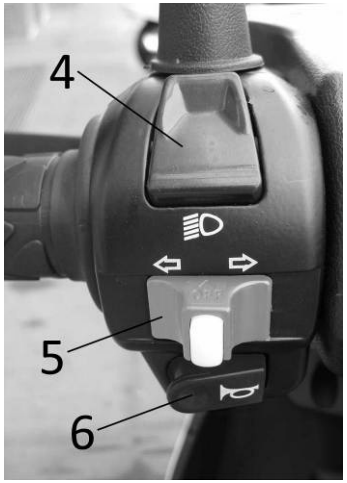

**Light switch (3)**

It has three positions: "●", "≫◎≪" and "☼"

"●": Headlight, rear light, position light and license plate light are off.

"≫◎≪": Turn the light switch to this position, after the engine has started, to turn on the position light, rear light and license plate light. In this position the headlight is off. It is recommended for afternoon use.

"☼": Turn the light switch to this position, after the engine has started, to turn on the headlight, position light, rear light and license plate light. It is recommended for use while driving at night in reduced visibility conditions.




**Dimmer switch (4)**

This switch controls the headlight beam (with the light switch in "☼"position).

"≡○": High beam

"≡○": Low beam

**Turn signal switch (5)**

Push this switch to " ⇦ " position to signal a left-hand turn or to " ⇨ " position to signal a right-hand turn. Then return the switch to the centre position. To turn off the signal lights, press the button in the centre of the switch.

**Horn button (6)**

Press this button to sound the horn.

**NOTE:**

- Be careful while washing your scooter, as the storage compartment may get wet.
- Do not keep valuables in the storage compartment.

## MAIN COMPONENTS

### Seat

To open the seat, first unlock it from the seat lock turning the key clockwise and then lift it up.
To close the seat, lower it down and push the rear part of the seat until you hear a clicking sound. This indicates that the seat is locked. Then you can remove the key from the lock.
Always make sure that the seat is securely locked before driving.

### Storage compartment

The storage compartment is located under the seat. Its maximum loading capacity is 5kg.

**WARNING:**

- Wear heat-resistant gloves when refuelling.
- Avoid refuelling when the engine is hot or running.
- Avoid refuelling near open flames or sparks, and refrain from smoking.
- Avoid overfilling the tank. After refuelling, make sure that the tank is properly closed.

**1: Fuel tank cap**

- Wear heat-resistant gloves when refuelling.
- Avoid refuelling when the engine is hot or running.
- Avoid refuelling near open flames or sparks, and refrain from smoking.
- Avoid overfilling the tank. After refuelling, make sure that the tank is properly closed.

# DRIVING INSTRUCTIONS

## Pre-operation Inspection

Always perform the pre-operation inspection, before driving your scooter. Failure to do so may result in vehicle damage or an accident.
The time required to perform the necessary inspection is very short. However, it both ensures your safe driving and, in the long term, saves you time from vehicle repairs.

Make sure to inspect the following items:

| Item | Inspection |
|---|---|
| Fuel | - Check the fuel level and refuel if necessary<br>- Inspect the fuel circuit for any fuel leakage |
| Engine oil and gear oil | - Check the engine oil and the gear oil and refill to the specified level if necessary<br>- Inspect the scooter for any oil leakage |
| Front and rear brakes | - Check operation of the brakes<br>- Inspect condition of the brake pads<br>- Check the brake fluids and refill to the specified level if necessary<br>- Inspect the hydraulic system for any leakage |
| Wheels and tyres | - Check tyre condition and tyre wear<br>- Check for any potential damage to the wheels or tyres<br>- Inspect the air pressure and adjust if necessary |

**WARNING:**

- If any item in the Pre-operation inspection list is not functioning properly, have it inspected and repaired before operating the scooter.

# DRIVING INSTRUCTIONS

| Item | Inspection |
|---|---|
| Throttle grip | - Check operation of the throttle grip. It should be able to turn smoothly and be fully opened and closed<br>- Inspect condition and free play of the cable |
| Brake levers | - Check whether the brake levers operate smoothly and lubricate the joints if necessary |
| Lights and instruments | - Inspect operation of the headlight, rear light, brake light, turn signal lights, horn and panel instruments |

If you need assistance on how to perform any of the above-mentioned tasks, do not hesitate to contact an authorised Nipponia service point.

## Starting the Engine

Before starting the engine make sure to raise the side stand. You can rest the scooter on the main stand.

1. Turn the main switch to "○" position
2. Close the throttle completely and do not turn it
3. Press the start button while holding the rear brake lever to start the engine.

**ATTENTION:**

- Always apply the rear brake before starting the engine.
- Always keep the throttle closed and do not rev the engine.
- Always keep the side stand retracted during operation.

# DRIVING INSTRUCTIONS

- Before starting the vehicle, make sure to perform a pre-ride inspection.

**ATTENTION:**

- Always apply the rear brake before starting the engine.
- Always keep the throttle closed and do not rev the engine.
- Always keep the side stand retracted during operation.

- Before starting the vehicle, make sure to perform a pre-ride inspection.
- After long periods of inactivity, the engine may be difficult to start. In this case, hold the start button a little longer.

**Kick starting**

Make sure to raise the side stand and rest the scooter on the main stand

1. Turn the main switch to "○" position
2. Close the throttle completely and do not turn it
3. Step down the kick starter with force and the engine will start.

**WARNING:**

- Applying the brakes abruptly may cause you to lose control of the vehicle.
- Applying only the front brake may cause you to fall from the vehicle.
- Applying only the rear brake may cause you to lose control of the vehicle.

# DRIVING INSTRUCTIONS

## Driving

1. Start the engine as previously described
2. Push the vehicle off the main stand, holding the rear brake lever
3. Get on the scooter, keeping at least one foot on the ground to support and prevent it from falling
4. Adjust the rear-view mirrors
5. Before taking off, turn on the signal light and make sure it is safe to go
6. Release the brake and gradually turn the throttle grip open

## Braking

When you need to brake, close the throttle grip and use both front and rear brakes. Press the brake levers smoothly, gradually increasing the pressure.

**WARNING:**

- Avoid driving downhill, close the throttle grip and use both brakes alternatively, maintaining a low speed.
- When you brake, the driving distance is longer than usual. Also, driving speed and braking distance increase when driving downhill.

## DRIVING INSTRUCTIONS

**WARNING:**

- Avoid driving downhill, close the throttle grip and use both brakes alternatively, maintaining a low speed.
- When you brake, the driving distance is longer than usual. Also, driving speed and braking distance increase when driving downhill.

**WARNING:**

- Park the scooter on a flat and stable surface to prevent it from falling.
- When you park on a slope, put it in position the scooter facing upwards to prevent it from falling.
- Do not turn the ignition switch to "⊗" position during driving. It may cause a malfunction in the electrical system and lead to an accident.

## DRIVING INSTRUCTIONS

### Engine Break-In

Breaking-in your scooter is very important, as it helps to prolong the life of the engine. The break-in period is the first 1000km, with the following speed variation:

During the period from 0 to 500km, driving speed should not exceed 20km/h, while from 500 to 100km it should not exceed the maximum speed, according to the engine version (25/30/45km/h).

During the engine break-in period do not put heavy loads on the scooter and avoid driving at full throttle or constant speed for a long time.

## Maintenance Schedule

| Item | Period of maintenance in km | | | | | |
|---|---|---|---|---|---|---|
| | First 500 | Every 1000 | Every 3000 | Every 6000 | Every 12000 | Reference pages |
| Engine oil | First replacement at 300km and then every 2000km. Check the oil level every 500km, refill engine oil when it is not enough. | | | | | 24 |
| Gearbox oil | R | Replace every 4000 km | | | | 25 |
| Air filter element | I | | C | R | | 26 |
| Spark plug | I | | I | | R | 27 |
| Fuel Pipes | I | I | | | | _ |
| Carburettor (idle speed) | I | | | I | | _ |
| Throttle function | I | I | | | | _ |
| Braking system/pads/fluids | I | I | | | | 28 |
| Clutch weights | | | | I | | _ |
| Brake switch | I | | I | | | _ |
| Transmission belt | | | | I | R | _ |
| Transmission system check for leakage | I | I | | | | _ |
| Engine check for leakage | I | I | | | | _ |
| Fasteners-bolts-screws-nuts | I | | I | | | _ |
| Headlight beam setting | I | | | I | | _ |
| Suspension | I | | | I | | _ |
| Wheels/tyres | I | I | | | | _ |
| Steering stem bearings | I | | I | | | _ |

Note:

The filter element should be cleaned or replaced with greater frequency when driving in a dusty environment. In such cases, it is recommended to clean it every 500 km.

The vehicle must be serviced according to the maintenance and service schedule. The symbols in the schedule chart stand for:
I: Inspect or clean, A: Adjust, C: Clean, R: Replace.

## Engine oil

This scooter should use 2-stroke engine oil (FC). There is no need to use any additives. Do not use common oil, vegetable oil or castor oil. The 2-stroke engine consumes the lubricant, so you should inspect the level of the engine oil frequently. The oil tank is behind the centre cover and has a capacity of 1.2L. When you unlock the centre cover, you can reach the tank and refill if necessary.

SERVICE AND MAINTENANCE

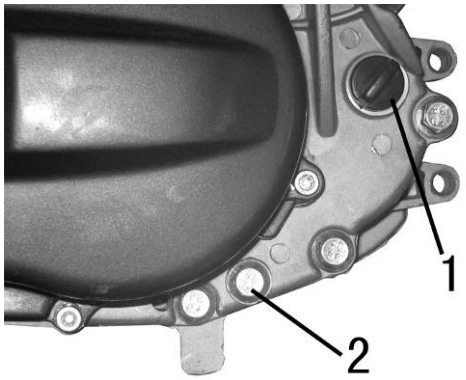
**ATTENTION:**

- After the engine has been running, the oil temperature is high. Exercise care to avoid injury from burning.
- If oil comes into contact with the skin, wash it away with soap or a cleaning agent.

## Gear (transmission) oil

Use gear oil for 2-stroke gasoline engines. Recommended oil type: SAE 80W/90.

### Gear oil replacement




1. Set the scooter on the main stand on a level surface.
2. Remove the filling bolt **(1)** and the drain bolt **(2)**.
3. It is better to replace the gear oil when the engine is warm, as it will be easier to drain out the residue of the gear oil.
4. After the gear oil has been drained out completely, clean the drain bolt and tighten it.
5. Pour about 100ml of new gear oil.
6. Tighten the filling bolt to prevent the gear oil from flowing out.
7. For a new scooter, replace the gear oil after the first 500 km. After that, replace every year or every 6000 km.

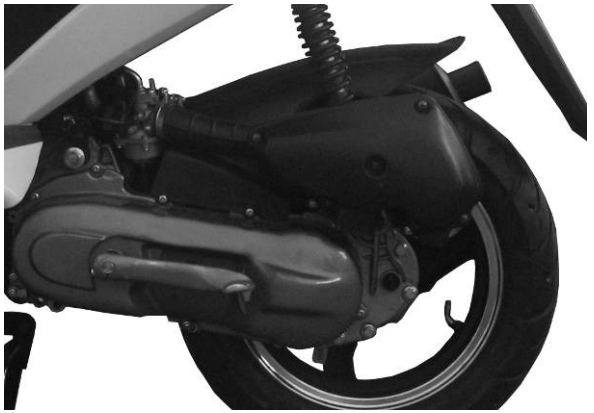
# SERVICE AND MAINTENANCE

**ATTENTION:**

- This work should be done when the engine is warm and with the scooter on a level surface. This may cause oil drains out completely.
- Replace the gear oil more frequently than recommended in the following conditions:

1: Frequent use in wet weather
2: Prolonged riding time
3: Riding with a loaded scooter

## Air cleaner



The air cleaner must be maintained periodically. Especially after driving in a dusty environment, maintenance must be enhanced.

1. Remove air cleaner fixing bolts.
2. Remove air cleaner tightening bolts, take the air cleaner out.
3. Clean or replace filter element.

Re-install the air cleaner in reverse order.

# SERVICE AND MAINTENANCE

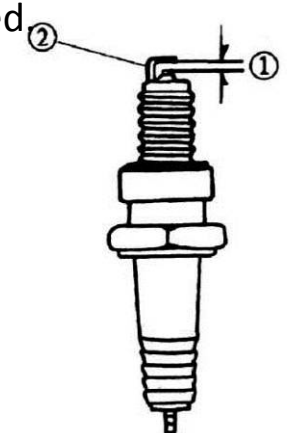
**WARNING:**

- The spark plug must be screwed in fully. Otherwise, leakage from spark plug base and temperature increase may occur, resulting in engine damage.
- Do not use a spark plug with incorrect heat value; otherwise the engine could be severely damaged.

## Spark Plug

Recommended spark plug for standard use: BPR7HS (NGK), L7TC or L7RTC (BAILIAN)

**1: Electrode gap**
**2: Side electrode**




**Spark plug inspection and replacement**

1. Remove the dirt around the spark plug socket.
2. Take the spark plug cap off and remove the plug with the spark plug wrench from the tool bag.
3. Measure the gap between pole and electrode with a thickness gauge and adjust to 0.6 - 0.7 mm.
4. When re-installing the spark plug, screw it in by hand and then tighten with the wrench (1/2 turn for a new plug, 1/8-1/4 turn for a used one).
5. Put on the spark plug cap.

## Tyres

The inflated tyre pressure must be checked daily and regulated according to the following table. Cracks, damage, and wear on the tyres cause unsteady steering or even tyre blow-out. Note that tyre pressure is measured with cold tyres.

# SERVICE AND MAINTENANCE

**ATTENTION:**

- If tyre pressure exceeds the standard value, the tyre can easily be damaged; if tyre pressure is below the standard value, it may cause loss of control while driving or the tyre being dislodged from the rim.

| Tyre specifications | | Tyre pressure in cold state | |
|---|---|---|---|
| | | Rider only | Rider and passenger |
| Front wheel | 120/70-12 | 1.75 bar | 2.30 bar |
| Rear wheel | 120/70-12 | 2.25 bar | 2.30 bar |

Note: 1 bar = 1 $kg_f/cm^2$ = 100 kPa

**1. Wear mark**

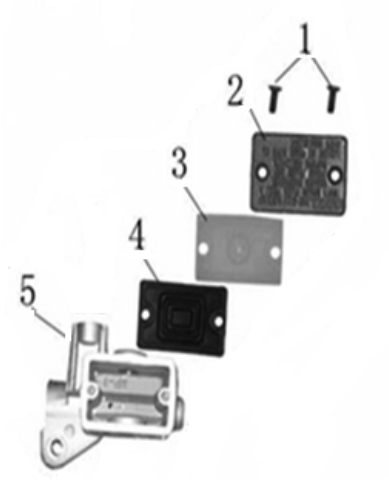
**2. Wear limit indication**

Driving with worn tyres is very dangerous. The tyres must be replaced before the tread is worn to the wear mark **(1)**.

**Brakes**

This scooter is equipped with hydraulic disk type front brake and rear brake. Periodic maintenance and adjustment of the braking system should be performed to prevent accidents.

# SERVICE AND MAINTENANCE




**1: Screws**
**2: Reservoir cap**
**3: Reservoir pad**
**4: Reservoir seal**
**5: Reservoir**

**Hydraulic brake fluid inspection**

Frequently scheduled inspections of hydraulic fluid level and wear condition of brake pads must be carried out.

If the free play of the brake lever is excessive (>2-3cm) and the brake pad wear is within its specified limits, air may be trapped in the braking system. It must be expelled. Take your scooter to an authorized Nipponia service point for brake maintenance.

When the hydraulic fluid level has fallen to the MIN mark, refill the fluid in the reservoir.

1. Remove the handlebar cover, reservoir cap, pad and seal **(2, 3 and 4)**
2. Add DOT3 or DOT4 brake fluid from a sealed closed container into the reservoir until the fluid level is at the MAX mark.
3. Reinstall the reservoir pad, reservoir cap and handlebar cover and tighten the screws **(1)**.

## SERVICE AND MAINTENANCE

**ATTENTION:**

- Before riding with newly installed brake pads, it can damage the brake surface and plastic parts. Bleed the brake system to avoid brake failure.
- When refilling the brake fluid, make sure the reservoir is set level otherwise fluid will spill out when you remove the reservoir cap.
- Only use DOT3 or DOT4 brake fluid from a sealed container.
- Do not mix pollutants such as oil, mud or water with the brake fluid in the reservoir.
- Inspect that the fluid level is above the MIN mark, when resting the motorcycle in a vertical position.
- The brake fluid can cause soreness and inflammation to the skin. Do not allow it to come into contact with your skin and eyes. If contact is made with the skin, wash it thoroughly with water. If contact is made with the eyes, wash out with plenty of water and consult a doctor immediately.
- Do not mix different types of brake fluid.

**Brakes inspection**

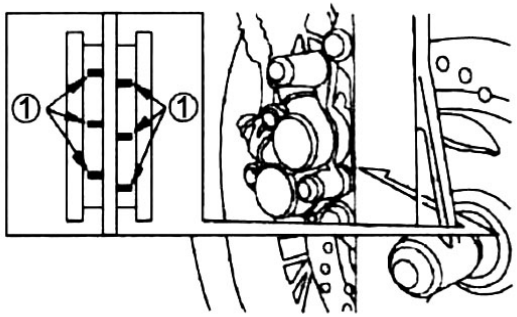
You should check the braking system for breakages and leaks before riding.

1. Depress the brake lever several times to determine whether there is a leak.
2. Check the wear condition of the brake pads.

## SERVICE AND MAINTENANCE

Wear condition of brake pads varies according to the use of the vehicle, riding style and road conditions. Generally speaking, the brake pads may wear faster when driving on wet and dirty roads. Brake pad wear should be checked at every scheduled maintenance.

In a hydraulic brake system, the thickness of brake disk and brake pad must be checked. Check the wear mark **(1)** on each brake pad, if one of the two brake pads is worn to the wear mark, replace both pads. If the thickness of brake disk is worn to its limit, the disk must be replaced at once.




## Battery

This model uses a 12V 7Ah maintenance-free sealed battery. The battery will be prepared for use before you take delivery of the scooter.

Please note the following:

1. If the motorcycle is stored for a long time, the battery must be removed and charged fully, then stored in a cool dry place. If the battery is left on the vehicle, remove the negative cable from the battery pole.
2. When removing the battery, the ignition switch should be in "⊗" position and the negative cable removed. When installing, connect the positive cable first, then the negative one.
3. Battery poles erode easily. Brush them clean with a needle brush then apply a film of Vaseline or grease.
4. When installing the battery, terminal bolts must be screwed tightly.

Remove the cover screw and open the battery case cover.

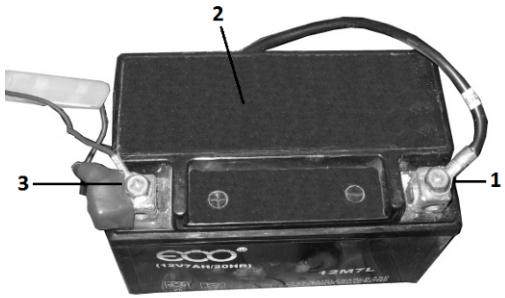
Disconnect the negative cable from the battery first, then the positive cable.

Take the battery out of the battery case.

**WARNING:**
- The battery may produce explosive gases. Keep away from sparks, flames and cigarettes. Charge in a well ventilated area.
- The battery contains acid. Avoid contact with the skin or eyes. Keep away from children.
- When the battery requires recharging, use 0.9A charging current and 13.5V charging voltage.

**1: Negative cable**
**2: Battery**
**3: Positive cable**

**Battery removal**




## Electric fuse

The fuse is located at the battery and can withstand up to 15A.

The fuse can be rendered useless due to overloading of the electrical system or short circuiting. Switch off the main switch (turn to "⊗" position) in advance to avoid a short circuit when replacing and/or inspecting a fuse.

**WARNING:**

- Use of fuses of rating other than specified may result in damage to the electrical system, loss of engine power or even fire.

# SERVICE AND MAINTENANCE

**WARNING:**

- Fuel is flammable. When draining and refilling the fuel tank, the engine should be switched off.

# CARE AND STORAGE GUIDE

## Long-term storage

When stored for a long time, your scooter must be protected against moisture, sunlight and rain. Before storing, the following steps should be taken:

1. Replace the engine oil.
2. Drain the fuel completely out of fuel tank and carburettor and fill the fuel tank with anti-rust fluid.
3. Disconnect and remove the battery and put it in a cool place.
4. After cleaning your scooter, apply a colour fixing or preserving agent on coloured parts and grease on moving metal parts.
5. Inflate tyres to specified pressure and then lift the scooter onto blocks to keep the wheels off the ground.
6. Finally, cover your scooter.

## Use after storage

1. Take the cover off and clean your scooter. If the scooter has been stored for more than 4 months, replace the engine oil.
2. Recharge the battery and install it.
3. Drain the anti-rust fluid from the fuel tank, then refill with fuel.
4. Pre-operation inspection should be carried out before riding (see page 17).

**ATTENTION:**

- Washing with high-pressure water may damage some parts. The following parts should not be washed in this fashion: Wheel hubs, muffler end, storage compartment, main switch and speedometer.

# CARE AND STORAGE GUIDE

## Cleaning

Cleaning the scooter periodically will help keeping the painting coat bright.

1. The scooter should be washed after it is stored in order to wash out the accumulated dust. The plastic parts should be cleaned with a cloth or sponge using a neutral cleaning agent.
2. After drying, let the engine run at idle for several minutes.
3. Before riding, the brakes should be inspected carefully.

# SPECIFICATIONS

## Neon 50

| Item | Data | Item | | Data |
|---|---|---|---|---|
| Overall length (mm) | 1856 | Displacement (ml) | | 49.2 |
| Overall width (mm) | 672 | Ignition type | | DC CDI |
| Overall height (mm) | 1131 | Max. power (kW/rpm) | 25 or 30km/h speed limit | 2.2 / 6500 |
| | | | 45km/h speed limit | 3.1 / 7500 |
| Wheel base (mm) | 1347 | Max. torque (Nm/rpm) | 25 or 30km/h speed limit | 3.2 / 5500 |
| | | | 45km/h speed limit | 4.0 / 6500 |
| Weight with oil and fuel (kg) | 90 | Idling speed (rpm) | | 1800±180 |
| Max. load (kg) (including driver) | 165 | Fuel consumption at 30km/h speed (L/100km) | | ≤2.0 |
| Front tyre | 120/70-12 | Spark plug | | BPR7HS |
| Rear tyre | 120/70-12 | Spark plug gap (mm) | | 0.6~0.7 |
| Climbing ability | ≥18° | Engine oil capacity (L) | | 1.2 |
| Braking distance (m) (initial speed 40 km/h) | ≤21 m | Fuel tank capacity (L) | | 5.0 |
| Battery | 12V 7Ah | High/low beam light<br>Position light<br>Taillight /brake light / license plate light<br>Turn signal lights | | 12V-35W/35W<br>12V-5W<br>12V-5W/21W/5W<br>12V-10W x 4 |
| Fuse | 15A | | | |
| Front disc brake (mm)<br>Rear disc brake (mm) | 180<br>180 | | | |

Note: All data obtained under laboratory conditions in accordance with relevant standards.

# WIRING DIAGRAM